

APPENDIX A

RESULT 3
 AAB67341
 ID AAB67341 standard; peptide; 239 AA.
 XX
 AC AAB67341;
 XX
 DT 23-APR-2001 (first entry)
 XX
 DE Staphylococcus aureus enterotoxin B protein.
 XX
 KW Tumour; cancer; immune; enterotoxin.
 XX
 OS Staphylococcus aureus.
 XX
 PN US6180097-B1.
 XX
 PD 30-JAN-2001.
 XX
 PF 30-OCT-1998; 98US-00183437.
 XX
 PR 03-OCT-1989; 89US-00416530.
 PR 17-JAN-1990; 90US-00466577.
 PR 17-JAN-1991; 91WO-US000342.
 PR 01-JUN-1992; 92US-00891718.
 PR 02-MAR-1993; 93US-00025144.
 PR 31-JAN-1994; 94US-00189424.
 PR 19-JUN-1995; 95US-00491746.
 XX
 PA (TERM/) TERMAN D S.
 XX
 PI Terman DS;
 XX
 DR WPI; 2001-158657/16.
 XX
 PT Tumor cell capable of stimulating antitumor immune reactivity in vitro or
 PT in vivo comprises exogenous nucleic acids encoding a superantigen and a
 PT costimulatory molecule.
 XX
 PS Disclosure; Fig 2; 16pp; English.
 XX
 CC The present invention relates to a tumour cell capable of stimulating
 CC antitumor immune reactivity in vitro or in vivo contains and expresses an
 CC exogenous nucleic acid molecule encoding a superantigen or its active
 CC fragment and an exogenous nucleic acid molecule encoding a costimulatory
 CC molecule that activates T cells in conjunction with an antigenic
 CC stimulus. The invention may be used for cancer therapy by stimulating an
 CC anticancer immune response in vivo or ex vivo
 XX
 SQ Sequence 239 AA;

Query Match 99.7%; Score 1277; DB 4; Length 239;
 Best Local Similarity 99.6%; Pred. No. 2.9e-107;
 Matches 238; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 ESQPDPKPDELHKSSKFTGLMENMKVLYDDNHVSAINVKSIDQFLYFDLISYIKDTKLG 60
 |||||||
 Db 1 ESQPDPKPDELHKSSKFTGLMENMKVLYDDNHVSAINVKSIDQFLYFDLISYIKDTKLG 60

Qy 61 YDNVRV EFKN KDLADKYKD KVYDVFGAN YYYQCYFSKKTNDINSHQTDKRKT C MYGGVTE 120
 |||||||
 Db 61 YDNVRV EFKN KDLADKYKD KVYDVFGAN YYYQCYFSKKTNDINSHQTDKRKT C MYGGVTE 120

| | | | |
|----|-----|--|-----|
| Qy | 121 | HNANQLDKYRSITVRVFEDGKNLLSFDVQTNKKVTAQELDYLTRHYLVKNKKLYEFNNS | 180 |
| | | | |
| Db | 121 | HNGNQLDKYRSITVRVFEDGKNLLSFDVQTNKKVTAQELDYLTRHYLVKNKKLYEFNNS | 180 |
| Qy | 181 | PYETGYIKFIENENSFWYDMMMPAPGDKFDQSKYLMYNDNKMVDSDKDVKIEVYLTTKKK | 239 |
| | | | |
| Db | 181 | PYETGYIKFIENENSFWYDMMMPAPGDKFDQSKYLMYNDNKMVDSDKDVKIEVYLTTKKK | 239 |